



# MEETING THE PROJECT MANAGEMENT CHALLENGE

# 2004

## Biography

### Vickie Moran

#### Acting Deputy Project Manager, Earth Science Mission Operations NASA GSFC

Vickie Moran has spent her entire career at the National Aeronautics and Space Administration (NASA) Goddard Space Flight Center (GSFC) in Greenbelt, Maryland working as an engineer and manager.

She is currently the Acting Deputy Project Manager for the Earth Science Mission Operations (ESMO) Project. The ESMO Project manages mission operations of NASA's Earth Science Enterprise satellites. Currently, the ESMO Project is operating the Earth Observing System (EOS) Terra and Aqua missions; the Tropical Rainfall Measuring Mission (TRMM); the Total Ozone Mapping Spectrometer Earth Probe (TOMS-EP); the Upper Atmosphere Research Satellite (UARS); the Earth Radiation Budget Satellite (ERBS); Earth Observer-1 (EO-1); ICESat; and SORCE. ESMO also supports Landsat-7 operations and will manage operations for the Aura satellite after launch in June and the on-orbit checkout is complete. In her role as Deputy Project Manager, Mrs. Moran is the project risk manager, leads spacecraft anomaly investigation and resolution teams, and works day-to-day mission operations technical and programmatic issues. Vickie Moran also serves as the TRMM Mission Director. TRMM is currently in its 7th year of operations and is planning for controlled reentry when the scientific mission is ended either by budgetary restrictions or a failure onboard the spacecraft. Vickie has been leading the controlled reentry planning effort while at the same time managing the reengineering of operations, including new ground system hardware, to reduce the operations cost by almost 60% in FY05. Because the TRMM spacecraft and instruments are extremely healthy and the scientific findings and utility of the TRMM data are significant, there is a desire to keep the mission going as long as possible within risk adverse and low budget constraints.

Before joining missions operations, Mrs. Moran spent 15 years on the spacecraft development side working in the Power Systems Branch designing and testing power system hardware for the Cosmic Background Explorer (CoBE), TRMM, and EO-1. She also worked power system designs for many missions in formulation including Nexus, Max, GLAST, MMS, GEC, TOMS-EP. Vickie Moran has written five papers on various topics in power systems design and was awarded the NASA Medal for Exceptional Service for her work in advancing power system technology.

Mrs. Moran has a bachelor degree in Mathematics from the University of Maryland College Park. She has been happily married for 13 years and has two young children (6 and 10 years old) living in Odenton, Maryland. She enjoys running and helping her children with their school work.



## NASA Project Management Conference